

Amendments to the Specification:

Please replace the paragraph beginning at page 14, line 24 with the following amended paragraph:

From the alignment, at least four groups of ACBP can be identified. The first group is the generally expressed ACBP isoform, first isolated from bovine liver (I-ACBP, ~~SEQ-ID NO:30~~ SEQ ID NO:1). In their wild type form these ACBPs contain no cysteines and are 86-92 residues long. The second group is the testis specific isoform (t-ACBP) also called endozepine-like protein (ELP). T-ACBPs have now been isolated from three different species and these three all wild-type t-ACBPs have now been isolated from three different species and these three all wild-type t-ACBPs contain three cysteines. A putative third group may be a brain specific isoform of ACBP (b-ACBP) which has been deduced from gene sequences from duck and frog brain and which contain in their wild type form one single cysteine at position 43. The fourth group of native ACBP is a group of longer sequences with up to 533 amino acids. Some of these longer sequences are suggested to be membrane bound isoforms (m-ACBP), whereas others remain to be isolated as proteins. Many of these longer forms comprise cysteine(s).

Please replace the paragraph beginning at page 15, line 14 with the following amended paragraph:

The heterologous peptide of the construct may also preferably comprise an acyl-CoenzymeA binding domain. This domain could be isolated from a larger protein such as those shown in figure 1 (~~SEQ ID NO 1, 4, 5, 6, 7, 11~~) (SEQ ID NOS:25-30) or from homologous proteins from those and other species.

Please replace the paragraph beginning at page 15, line 19 with the following amended paragraph:

According to a preferred embodiment of the invention the heterologous peptide comprises a modified form of bovine ACBP (~~SEQ ID NO:30~~) (SEQ ID NO:1), a variant or functional equivalent

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thereof. A number of constructs have been produced based on bovine ACBP and have shown to work well under laboratory conditions.